

# Logistics of 'Decanting' of Arts Building Worked Out

With funding for renovations to the Arts Building in the appropriate account, people are starting to envision a beautiful and practical facility. But now comes the hard part—moving all occupants to new quarters so construction crews can step in. The Planning and Development Office, working closely with the "evacuees," has tested the waters and is poised to put "Operation

Decanting" into action.

Starting in mid-April, the northeast corner of 88 Avenue and 111 Street, the site of the late Algonquin Apartments, will be prepared for the arrival of 22 trailer units.

Leveling, compacting and utilities (gas, water, sewer, power) work as well as the dismantling of one University-owned house at 11044 88 Avenue will be completed

by mid-June, Senior Planning Officer Blake Pratt told *Folio*. His colleague, Michael Szyling, said the planning group tried to work around the house but its presence simply would not permit a suitable configuration of the trailers.

The over-all site is 132'x 139' and will resemble a parking lot without pavement, Szyling said. The trailers (each is 12'x 52') will be positioned in an H shape, complete with a

35-foot long walkway between the sides of the H to satisfy code requirements. Entrance to the trailers on either side will be from this walkway. On 14 July, staff of the Departments of Comparative Literature, Germanic Languages, Canadian Studies and the new Native Justice Institute will move to their temporary home. That same day, the Department of Romance Languages will leave the Arts Building to take up residence in 17 trailer units which will be positioned just to the east of the Chemistry Building. Most of the greenhouse sections that are there now will be torn down soon. Each trailer will measure 12'x 60'; the site itself is 60'x 204'.

All trailers have been purchased by the University from various concerns in the province and, in Pratt's view, contain "relatively good quality space." He said that new ceilings, carpeting and partitions will be installed prior to the "decanting." In all, \$1,325,000 will be spent on the decanting manoeuvre.

The trailers have to be in place and in use by 23 June, Pratt emphasized.

"We're extremely short of decanting space," Pratt said. "We considered Kelsey Hall, Pembina Hall and some space off campus but none of the locations were suitable." While all trailer units will be removed from the two sites just as soon as the Arts Building has been renovated, Pratt predicts that the University community will not have seen the last of these or similar trailers.

The Arts Building will remain vacant until December 1988. New

*Continued on page two*

# FOLIO

University of Alberta

3 April 1986

## Nursing Doctorate Endorsed

The first Canadian PhD program in Nursing was endorsed, subject to the availability of appropriate funding, by General Faculties Council on 24 March. The proposal, approved by the Academic Development and Planning and Priorities Committees and supported in GFC by Dean Janetta MacPhail and Shirley Stinson of the Faculty of Nursing, met vigorous opposition from one Council member.

Jeffrey Osborn of Oral Biology opposed the establishment of the PhD program on the grounds, evidently, that one practices Nursing in much the same way as one practices Dentistry or Medicine. Such practitioners, Osborn claimed, do not hanker after a PhD in the areas of their practice but further the bounds of knowledge, thus earning the PhD, in what he referred to as "disciplines". The knowledge gained from PhDs in such disciplines is then, according to Osborn, applied to the practice of Dentistry and Medicine.

Dr. Osborn's arguments persuaded some members of GFC, but not many. The program and the need for a PhD in Nursing were equally as vigorously supported by Vice-President (Academic) Meek and, among others, by Dean of Arts Terry White. The latter referred to the "critical mass" of scholars in the Faculty of Nursing, a combination of scholars that will

ensure the viability and success of the program. Moreover, Dr. Osborn's conception of a "discipline" was questioned from the chair and it was suggested that GFC—the academic governing body of the University—should restrict itself to a review of the details of the program as presented rather than engaging, it seemed, in wider philosophical discussions.

Following endorsement of the program, Dr. Horowitz felt obliged to make a personal statement. For him, any program of study at the University must allow the possibility of advanced research at the doctoral level. Were a program never to lend itself to such a level of study, it should not be included in the University's syllabus.

### Why a PhD in Nursing?

The following is extracted from the proposal put to GFC.

"Nursing, because its science arises in its practice, requires that its scientists be knowledgeable in their own discipline from the point-of-view of its practice. Otherwise, the most important theoretical and practical questions confronting the discipline will not be the ones addressed in its research. In Canada, to date, in the absence

of available PhD programs in Nursing, nurses who pursue doctoral study typically do so in other disciplines. The effect of this trend has been to produce researchers who tend to focus on subject matter other than that of nursing. It is nursing's responsibility to develop a special body of knowledge which, through its practice, contributes uniquely to the quality of life in our society. In doing so, it simultaneously meets the responsibility of contributing to the ever-expanding inventory of human knowledge—the responsibility of a learned profession."

### Examples of Nursing vis-a-vis Medical Research

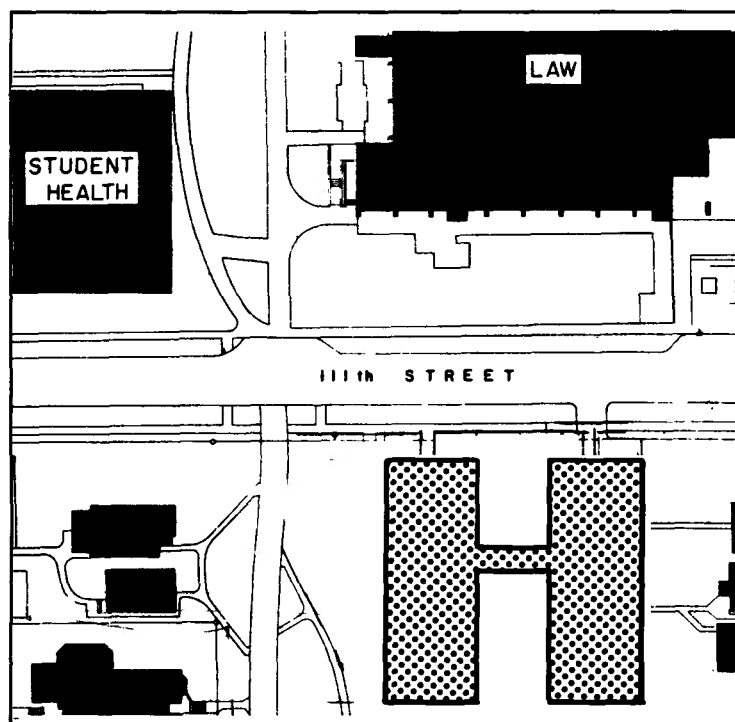
In the proposal submitted to GFC, there was a table of examples illustrating the different focuses of nursing and medical research. Representative topics under the rubric "Nursing Research" included: the elderly living with the family and the effects of nurses' actions on individual and family functioning; the needs of family members of intensive care unit patients; concerns and needs of primiparous couples during pregnancy;

*Continued on page three*

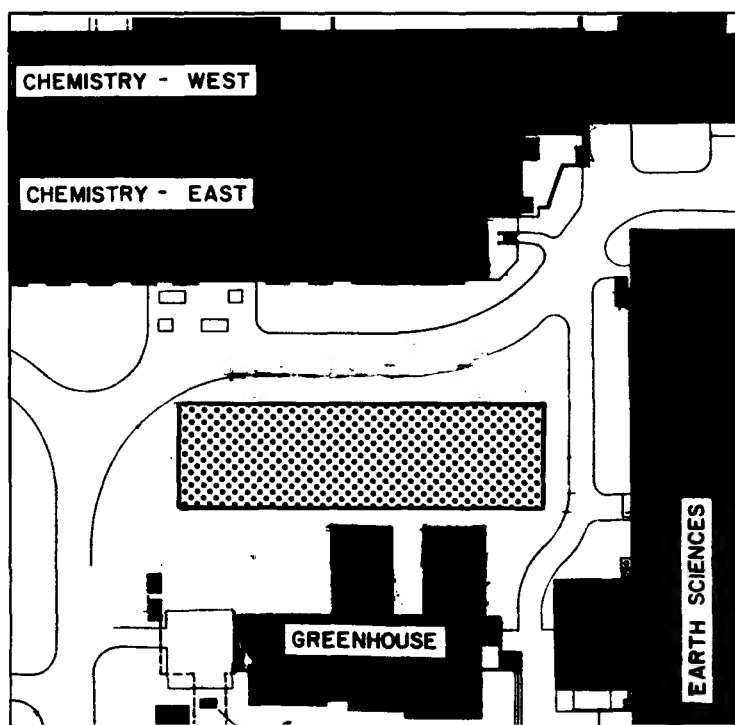
## Contents

- Research Prize Night
- Warrack investigates megaprojects
- MBAA Forum
- Farm tour time again
- University represented at book fair
- Pharmacy, Nursing and Medicine contribute to fair-sized book





"H" marks the spot to which Comparative Literature, Germanic Languages, Canadian Studies and the Native Justice Institute will move.



Romance Languages will be ensconced here.

Continued from page one

heating, ventilation and plumbing systems will be installed and the roof will be replaced. As with the remodelling of such "old world" facilities as Athabasca Hall and Convocation Hall, the character of the Arts Building will be preserved. Incidentally, Convocation Hall will not be affected by the renovations and will continue to be used as a performance facility. "Access will be maintained at all times," Szyling said.

It's expected that the final bill will exceed \$11 million. The

contract for the renovation work will be going out to tender shortly.

Construction of the Arts Building began in 1909 and was completed in 1915 (total cost: \$830,000). There has been virtually no repair work done over the years save normal maintenance and painting.

Representatives of the Garneau Community League and others were invited to an information session last Tuesday at which Planning and Development representatives described the work to be done and just how it would affect the community. □

## Our Own Academy's Awards Night

There was laughter in SUB Theatre last week when the 1986 winners of the University Research Prizes presented their addresses and received their prizes. Speaking first, in something of a personal memoir delivered with verve and sparkle, Juliet McMaster—"the foremost critic of fiction in Canada" and author of works on Thackeray, Austen, Trollope and Dickens—revealed something of her past (her first publication, a limerick in the *Nairobi Sunday Post*, her first booklength MS completed at age 18) and her lighter future plans, which include completing an "unashamedly swashbuckling romance for and about children, full of weaponry and horses" that she has been working on for years.

Following Dr. McMaster, Donald Westlake—a microbiologist remarkable for his understanding of the possibilities of "creative interaction between fundamental science and practical application"—in a completely successful attempt to overcome the

bad press microbes have received, gave even the non-scientists in the audience the illusion that they understood perfectly everything he had to say. "I am a very fortunate person," he said. "I enjoy what I'm doing." His audience enjoyed hearing about it, too. □

## Attention Non-Academic Staff Voters

The election of a non-academic staff member to "observer" status on the Board of Governors (1986 to 1989) is under way. The poll will be closed at 4 p.m. on Friday, 11 April.

The Board, through *Folio*, would like to inform voters of an error in the biographical sketch of Berry Hsu. Mr. Hsu joined the University in February 1974 not 1984. □

## FOLIO

### Deadlines:

**Notices of coming events:** 9 a.m. three weeks in advance of desired publication date.

**Classified advertisements:** 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made.

Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. **Display advertisements:** 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to select, edit and position submitted copy. Views expressed in *Folio* do not necessarily reflect University policy.

*Folio* contents may be reprinted with acknowledgment.

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Office of Public Affairs  
423 Athabasca Hall  
University of Alberta  
Edmonton, Alberta T6G 2E8  
(403) 432-2325.

All enquiries and correspondence should be directed to:  
Ron Thomas  
Editor

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of  
Alberta

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Continued from page one

measuring nurses' attitudes toward disabled people; providing palliative nursing care in the home. Examples of "Medical Research" were: tissue expansion for surgical reconstruction of wounds; assessment of human fetal movement *in utero*; "individualizing" drug doses for schizophrenic patients; an *in vitro* tumor model for prostatic carcinoma; islet cell transplants for diabetic patients.

## Other GFC Business

General Faculties Council considered several matters at its March meeting other than the establishment of a doctoral program in Nursing. In particular, it endorsed two draft policies dealing with research. The first was a proposal of a draft policy concerning University participation in joint ventures with industry, research consulting by University staff and conflicts of interest. The second had to do with research ethics and academic fraud.

Both policies break new ground for universities in Canada. Vice-President (Research) Kaplan pointed to unfortunate instances in North America and Great Britain, where no clear guidelines had allowed suspect practices to arise. The effect of the first policy enunciated at GFC on 24 March is to safeguard the University's obligation as a public institution to disseminate the results of research. Only very exceptional cases will allow a person at our institution be allowed to enter a contract for sponsored research that will delay publication of the results of research for more than 18 months.

The second policy considered by GFC is concerned with such matters as "abuse of confidentiality" (remember L.S. Caton in *Lucky Jim*?), "plagiarism", "academic fraud", and "research mis-

demeanor". The second policy sets out guidelines for "preventive measures" and "day-to-day" activities that might be adopted to forestall problems, and actions to be taken when academic fraud is suspected whether by an academic staff member on the part of a colleague or graduate student or the other way round.

Both policies should be considered mandatory reading. GFC representatives have copies. They are also available from the University Secretariat, 432-4965/4733.

## Academic Fraud: Some Definitions

*Abuse of confidentiality:* the ideas of a scholar or scientist are taken by another from private discussion, from a manuscript or grant application submitted for review, or from any other exchange of information which is assumed to be confidential, and then are proposed as the original ideas of the other party.

*Plagiarism:* the copying of words, ideas, methods or data and their republication in any form without attribution; or the flagrant failure to cite relevant work published by others in order to claim priority for one's own.

*Academic fraud:* a hierarchy of possibilities, including the biased selection of results; misrepresentation, falsification, invention or deliberate misinterpretation of results; failure to follow University guidelines with respect to biosafety, ethical treatment of animals and of human subjects, or to intellectual property, conflict of interest and publication. This category includes wilful exclusion of major contributors to a piece of research from co-authorship of the resultant publication(s) or failure to acknowledge assistance that was

critically important to the success of the research.

*Research misdemeanor:* this includes violation of regulations of the granting bodies; unethical or criminal misuse of funds, equipment, supplies or facilities, failure to respect University policies

on conflict of interest and intellectual property (patents and copyright); refusal to turn over to the senior investigator data or information collected or prepared during an investigation that was planned and carried out under his/her supervision. □



## 'Paging' Patient Care Practitioners

Ann and Louis Pagliaro display what is likely the world's most comprehensive clinical pharmacology text. More than six years in the making, *Pharmacologic Aspects of Nursing* contains articles from 42 contributors in Canada and the United States, including several from our University's Nursing, Pharmacy and Pharmaceutical Sciences, and Medicine Faculties. More than 6,000 typewritten pages were received and some 20 file boxes of manuscript material and revisions have since been turned over to University Archives. The book, printed on Bible paper, contains 1,900 pages. The Pagliaros and other people associated with the book are hopeful that it will contribute to the improvement of patient care.

## Academic Staff Representative on the Board of Governors

The term of office of one of the two academic staff representatives on the Board of Governors, Dean W.J. McDonald, will expire on 14 July 1986. The other representative is Dean White (Arts).

Nomination and election procedures for filling this vacancy were recently amended by General Faculties Council and are available in the University Secretariat, 2-5 University Hall. The new regulations provide that one of the two academic staff positions on the Board must be filled by a full-time member of the teaching faculty who does not hold one of the following administrative positions: Vice-President, Assistant or Associate Vice-President, Dean, Associate or Assistant Dean, or Department Chairman. Because the second of the two Board positions is currently held by a Dean, only full-time members of the teaching faculty who do not hold one of the administrative positions cited above are eligible to be nominated for the Board position which becomes vacant in July.

Nominations of full-time faculty members who do not hold one of the administrative positions described above and whose candidacy is supported by the signatures of five other full-time academic staff will be accepted by the Secretary to General Faculties Council, 2-5 University Hall, until **Friday, 18 April, 1986, 4:30 p.m.** Those submitting nominations are asked to ensure that each nominee agrees to the nomination. A brief *vitae* of the candidate should accompany the letter of nomination. For further information, telephone Ellen Solomon at local 5430.

## Conference to Discuss Drinking Water

The University is one of eight sponsoring agencies of the Second National Conference on Drinking Water to be held 7 and 8 April at the Four Seasons Hotel. Peter Huck, Civil Engineering, is acting as the technical program chair for the conference.

The objective of the conference is to bring together practitioners, regulatory personnel and researchers concerned with

environment technologies for organic contaminants in drinking water (the general conference theme is "Treatment for Organic Contaminants"). Information on

existing and emerging processes used in Canada, the United States and Europe will be presented in addition to the demonstration and assessment of state-of-the-art treatment for organic contaminants and examination of possible future directions for Canada.

The conference is expected to attract about 225 participants who will listen to internationally-recognized speakers from West Germany, Switzerland, France, the Netherlands, U.S. and Canada speak on organic contaminants in drinking water. □

# To Build or Not to Build: Making Megaproject Decisions

A megaproject (Quebec's James Bay or Alberta's Syncrude, for example) can confer enormous and long-lasting economic benefits by creating jobs and generating incomes.

But what happens if, after years of planning, further years of construction, and the expenditure of hundreds of millions of dollars, a megaproject turns out not to be viable—or soon ceases to be viable? Megaproject sponsors may be able to swallow the financial loss and leave; but the problems remain for the community and the environment. Who picks up the pieces then?

The short answer, says Allan Warrack, is that no megaproject should be tackled unless there has been "brutally honest analysis of all the hard data. It is absolutely necessary to focus on the 'worst case possible' situation," he says. "If results turn out better than expected, that's fine; but an unhappy surprise can be fatal."

Dr. Warrack, Vice-President (Administration), knows what he's talking about. He has just completed a paper, "Resource Megaproject Analysis and Decision

Making", designed as a tool for megaproject analysts and decision-makers, in which his experience in government as a minister in Lougheed's cabinet (in evolving an improving process to grapple with megaprojects) is distilled and combined with his academic and theoretical background in marketing and economic analysis.

He calls his paper "a kind of 'generic check list' that should apply to any megaproject, anywhere." Dr. Warrack isolates 10 characteristics and considerations applicable to all megaprojects; identifies five conditions for success; and describes eight requirements for meeting those conditions. He also looks at decision-making in terms of sponsors' and government's interests and responsibilities, and suggests among other factors the significance of preliminary disclosure review and "one-window" access to government. "No megaproject has a ghost of a chance," he says, "unless there's a sensible process of working with government. Because if there's one thing that's absolutely clear about megaprojects, it's that governments can stop them."

The check list covers about 90 percent of factors on any megaproject. But, Dr. Warrack points out, each megaproject also has special characteristics, peculiar to that project alone. He labels this final 10 percent "the endemic factors", and emphasises the necessity of identifying and understanding them early on.

Dr. Warrack's thesis is that megaprojects are different from conventional projects; and in analysis and decision-making it is inadequate to treat them simply as if they were conventional projects, but bigger. What is all important is context: that is, the technology along with the social, economic, environmental, and political factors. It is essential that, before a megaproject is allowed to proceed (or is turned down), all these factors are subjected to three stages of objective analysis. These phases—preliminary overview, followed by primary and detailed feasibility studies—are the most ignored in the decision process, Dr. Warrack suggests, but it is absolutely vital to go through them if a project is to reach a successful conclusion.

As he sees it, there are two possible successful conclusions.

The first—and the one all sponsors hope for—is a megaproject

that, after thorough and objective analysis, is built, goes into operation—and proves viable, financially, socially, and environmentally. The other sort of success occurs when, after thorough, objective analysis, the decision is made not to build a megaproject. This, in Dr. Warrack's view, is as successful a conclusion as the first one: both decisions were made on the basis of objective analysis.

Failures come in two kinds, too. The first occurs when a megaproject is built, and operates—but is not viable. (Olympics 76 is one of these.) Questions then must arise about the thoroughness and objectivity of the initial analysis. Failure of the second sort happens when procrastination over decisions in the early phases drags out the process until it becomes too costly to continue. The project dies from death by delay—but was that necessarily a good outcome? "No," says Warrack. "That's a failure. When it comes to megaprojects, you have to kiss a lot of frogs to find the prince. And if you don't kiss all the frogs, you may miss a prince."

In the future, says Warrack, in our resource-based economy, there will

be less economic capacity and less capability to carry out desirable social programs unless there is a steady lineup of viable megaprojects. It's essential, therefore, for would-be sponsors and government to understand a potentially viable megaproject be appropriately investigated, approved, constructed and made operational.

Dr. Warrack's intention is eventually to use his paper as a base to develop a course on megaprojects, but his appointment as Vice-President (Administration) precludes that at present.

Research for the paper was completed for the Western Resources Program, Institute for Research on Public Policy, during Dr. Warrack's term as Scholar-in-Residence in Victoria. The report, now in the hands of the Institute, has not yet been released. □

*This article first appeared in the January/February 1986 edition of Research Report, a media service published by the Office of Public Affairs.*

## The Next Decade and Beyond: A Plan for the Future

If you have not yet received a copy of this major discussion paper, please telephone or write to the **Office of Public Affairs**, 423 Athabasca Hall, Edmonton, Alberta T6G 2E8 (tel. 432-2325)

Members of the public and the University community are urged to become involved in the discussions that will take place about University priorities. In May, there will be public forums in major centres across Alberta. On-campus councils will shortly review the document and its recommendations in close detail.



The University recently hosted the Hon. David King, Minister of Alberta Technology, Research and Telecommunications, and a number of Mr. King's senior staff. "The government initiative to designate a department responsible for development of high technology in the province is welcomed and supported eage by the University," said Bob Armit, Director of Research Services. "We are look forward to a close association with the department." Shown here are (left to right) Ken Broadfoot, Deputy Minister, Mr. King and Paul Goud, Professor of Electrical Engineering.

## Dean's MBAA Forum Honors Light and Geddes

More than 500 business people, faculty, alumni, students and government representatives attended the fifth annual Dean's MBAA Forum dinner on 25 March. Walter Light, retired Chairman, Northern Telecom Ltd., received the Canadian Business Leader Award, and Eric Geddes, senior partner, Price Waterhouse, was named the first recipient of the Distinguished Alumnus Award.

Ross Turner, President and CEO of Genstar Corporation, delivered the keynote address and spoke on Canada-U.S. free trade. Mr. Turner pointed out that a recent study revealed that Canadian manufacturers have one of the lowest levels of productivity and the highest wage costs, producing the poorest unit labor costs of any of the leading western industrialized nations. This is a result, he added, of the protectionist attitude prevalent in Canadian business. He went on to say that "the ultimate and unavoidable consequence of such a policy (protectionist) is a growing list of firms in Canada that cannot compete (internationally)." Mr. Turner urged that "those of us who feel strongly about the issue of free trade have to be more outspoken about our views and to press the case for free trade on every occasion that is presented to us."

Turner has been CEO of Genstar (a company with annual

revenues in excess of \$4 billion) since 1976 and held earlier executive positions with various international corporations, including Genstar Western Ltd., Seaspan International Ltd., and Neonex International Ltd. Peter Loughheed and Ken Taylor have been among previous keynote speakers.

The Canadian Business Leader Award is presented to a person who has "achieved eminence in his field of endeavour and in his community" and "who is a model to business students through uncommon vision, sound common sense, and dedication to his community". Walter Light was recently cited as Canada's most admired CEO. Now retired as Northern Telecom's chairman and CEO, he keeps his hand in as chairman of the Executive Committee. Past honorees include Ron Southern and Francis Winspear.

Eric Geddes, whose list of contributions to the University and community are exhaustive, was the inaugural recipient of the Distinguished Alumnus Award. Mr. Geddes graduated in 1947 with a BCom degree and was awarded an honorary degree by the University in 1980. He has been Chairman of the Board of Governors and the Business Advisory Council and Honorary Chairman of the University's 75th Anniversary

campaign. The award honors a graduate of the Faculty who "has made notable contributions to the community at large, and to the ongoing development and reputation of the Faculty of Business at the University of Alberta".

The dinner is the highlight of the academic year in the Faculty and this year, 41 corporations (the largest number ever) purchased tables at the dinner. A corporate table is composed of seven representatives of the sponsoring organization, two MBA/MPM students and a faculty member. This seating arrangement encourages discussion between students, business people and faculty. □

## Music of India to be Performed

The University of Alberta Steering Committee of the Shastri Indo-Canadian Institute is sponsoring its second "Music of India Festival" on 9 and 10 April.

Two events—a master class and a classical concert—have been planned. "What is a Raga?" and "Teaching Improvisation" are the topics of Pandit Chandrakant Kapileshwari's master class. The class will be held on 9 April from 2 to 4 p.m. in 1-23 Fine Arts Building.

Kapileshwari, a master singer from India, and four musicians, including Regula Qureshi of our University on sarangi (a violin-like instrument), will perform at 8 p.m., 10 April, in SUB Theatre.

There is no admission fee for either event.

The co-sponsoring organizations include the Council of India Societies, the India Students' Association and the Department of Music.

The festival is funded by the Shastri Indo-Canadian Institute, the University/Community Special Projects Fund and the Council of India Societies.

The Shastri Indo-Canadian Institute, established in 1968 by the Governments of Canada and India, promotes mutual understanding between the two countries through academic and cultural programs.

Our University has been a member of the Institute for about eight years. The local program is managed by a Steering Committee under the jurisdiction of the Dean of Arts. □

# Folio

## Display Advertising

*Folio* is the official news publication of the University of Alberta, published every Thursday throughout the year (except for July and August when it appears bi-weekly). It has a regular distribution of 9,000 of which 7,800 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

## Sizes and rates

The basic unit size is 27 agate lines x 23 picas (3 7/8" x 2"). The full page is divided into 10 such units, any combination of which is available at a cost of \$35 per unit (minimum 1 unit). Half page cost: \$175. One column cost \$87.50. There is a 15% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

## Other specifications

Half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is necessary; there is a charge of 30c per word for typesetting, and \$7.50 for adjustment of design work.

## Deadlines

Deadline for submission is 3 p.m. one week in advance of desired publication date. Acceptance of advertisements and positioning are at the discretion of the Editor.

For more information, telephone (403) 432-2325 and ask about *Folio* display advertising, or write to: *Folio* Display Advertising Office of Public Affairs 423 Athabasca Hall University of Alberta Edmonton, Alberta T6G 2E8

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## Visit Us Down On the Farm

Kids have fun touring the University Research Farm.

They watch cows being milked (on the afternoon tour); pet the calves; see turkeys and chickens and white eggs and brown; look at sheep (and sometimes see them being sheared); and, if they promise to be very quiet and keep their hands to themselves, they get to visit the pigs (our agriculturalists call them "swine") and may even be lucky enough to see a sow farrowing.

Most of this is very new to most of the children. That hoary story really is true—many city kids don't know that cows produce the milk that comes in cartons, and that it's hens (not Ronald McDonald) who make the eggs they eat on McMuffins.

Tours have been taken round the Farm since 1972. Last year 7,572 children and 1,292 adults were conducted through the Farm's barns. Tours last an hour and a quarter and tour guides—usually a University student—encourage the children to take part actively in the program. Young visitors—mostly between the ages of three and five—are thrilled to be shown how to offer two or three fingers for a calf to suck. (The calves like this too, and push forward excitedly when they hear approaching children's voices.) That good, old barnyard smell is new to most visitors who are inclined to say "Yuk!" when they get the first whiff. Some tour guides then reply firmly that it's a natural smell—and a whole lot healthier than cigarette

smoke and ashtrays.

This year, Farm Tours, which are organized by the Office of Public Affairs, start on 28 April and end on 27 June. There are four tours daily, Monday to Friday, 9:30 and 10:45 a.m. and 1 and 2:30 p.m. (when the cows are milked). Areas visited are dairy, poultry, swine, and sheep (metabolic study). Tours are by appointment only, and most in April and May (except for some at 2:30 p.m.) are already booked. June is filling rapidly. So if you would like to come yourself, or bring a group to see round the Farm, waste no time in calling Tamie Heisler, Office of Public Affairs, 432-2325. □

## Book Fair on the Horizon

Bibliophiles should mark Sunday, 13 April, 11 a.m. to 5 p.m., on their calendars, as that's when the Third Annual Alberta Book Fair will be held at the Convention Centre. This event has proven to be a huge success and the program lined up for this year, under the chairmanship of Henry Kreisel, promises an even more lively day among books and booklovers.

Booksellers, publishers, and literary and cultural groups will be displaying their wares at 42 booths, and a number of entertainments will be presented from noon onwards, including improvisational comedy offered by Theatre Network, and readings by Kevin Major of Newfoundland and Jane Rule of British Columbia. In addition to the Blue Pencil Café where aspiring writers may discuss their work with experienced authors, there will be a meet-the-author coffee party between 12:30 and 4:30 p.m., where the public can meet and talk to favorite authors. Among campus authors who will be attending are Henry Kriesel of Comparative Literature, Douglas Barbour and Raymond Grant of English, Rod Macleod of History, Clement Leibovitz of Computing Services, and John Chalmers of Educational Foundations.

Children will be well catered for by Tree Frog Press's Make-a-Book project, magician Bob Bell, and the Balloon Man.

Door prizes include meals for two at several Edmonton restaurants

and books, books, books!

The Fair will be opened at noon by the Hon. Mary LeMessurier, Minister of Culture. □

## The Air Apparent

The week of 22 to 28 September has been designated "Lighter Than Air" week at Expo 86. The program will "examine and display, in a way not previously experienced, all aspects of Lighter Than Air technology and its applications."

Among the groups to be represented are the United National Industrial Development Organization, the International Maritime Organization, the International Cargo Handling Coordination Association, and the Canadian Departments of Transport, Regional Economic Expansion, and External Affairs.

John Tansowny, Executive Director of the exhibition, invites faculty at our University to give thought to participating in the special week. Faculty, he suggests, might wish to prepare papers for presentation at the 23 September "experts" day. Such papers could be on any topic dealing with lighter than air certification, construction, regulation, administration, or utilization.

Mr. Tansowny can be reached at the Twin Atria Building, 4999 98 Avenue, Edmonton, T6B 2X3. Telephone 422-4486. □



### Pre-Retirement Seminar for Support Staff

A pre-retirement seminar for support staff will be held on 22 and 23 April in the Lister Hall Banquet Room. This two-day seminar is designed to provide information and guidance to employees in planning ahead for retirement. It is sponsored by Personnel Services and Staff Relations and the Non-Academic Staff Association. Employees who are 55 years of age and older have received invitations and registration forms. There is limited enrolment, therefore a waiting list will be established for future seminars, if employees cannot be accommodated at this session. Interested employees should be referred to Mary Taylor at 432-5457.

## Talks

### Education

3 April, 2 p.m. C.A. Bowers, "The Dialectic of Nihilism and the State: Implications for an Emancipatory Theory of Education." 116 Education South.

### Chemical Engineering

3 April, 3 p.m. G.B. McDougall, "Simulation and Control of a Mineral Grinding Circuit." E342 Chemical-Mineral Engineering Building.

## CITL

3 April, 3 p.m. Art Deane, "Relating Textbook Readings to Lectures." TB-W2 Tory Building.  
9 April, 3 p.m. David Baine, "Methods of Course and Lecture Structuring." TB-W2 Tory Building.

## Boreal Institute for Northern Studies

3 April, 3:30 p.m. Alex Gordon, Syncrude Operations Division, "Syncrude and Native Employment." CW-410 Bio/Sciences Centre.  
9 April, noon. Robert Carney, "Teacher Education in the Northwest Territories: Cultural Inclusion or Cultural Imperialism?" TB-125 Tory Building.

## Physics

3 April, 3:30 p.m. J.P. Carbotte, McMaster University, "Materials and Microscopic Interactions in Superconductivity." 631 Physics Building.  
4 April, 2 p.m. J.P. Carbotte, "Superconductivity: A Quantum Effect at a Macroscopic Level." V-129 Physics Building.

## Medicine

3 April, 4 p.m. Michael Holick, Department of Physiology, Tufts University Medical School, Boston, "New Physiological and Biochemical Aspects of Vitamin D." 762 Medical Sciences Building.  
4 April, 8 a.m. F. Herbert, "Sarcoidosis: Immunological Considerations." 2-115 Clinical Sciences Building.  
4 April, noon. M. McPhee and D. Chapman, "A Comparison of Photodynamic Therapy and Radiation in the Treatment of Dunning R3327 Prostate Cancer." SMRI Conference Room.

## Entomology

3 April, 4 p.m. Dale Wrubleski, "Colonization of Experimental Mayflies by Chironomids During the First Year of Reflooding." TB-W1 Tory Building.  
10 April, 4 p.m. Philip J. Scholl, USDA Research Entomologist, U.S.-Canada Cattle Grub Project, Browning, Montana, "The Gonadotrophic Cycle in *Hypoderma* Species." TB-W1 Tory Building.

## Electrical Engineering

4 April, 3 p.m. D. Attwood, Director, Center for X-ray Optics, University of California, Lawrence Berkeley Laboratory, "Soft X-ray Microscopy and Coherent Radiation—Applications to Science and Technology." V-103 Physics Building.

## Comparative Literature

4 April, 3 p.m. Milan Dimić, "Pornography and Eroticism in Literature: Historical and Theoretical Considerations." Senate Chamber, Arts Building.  
9 April, 4 p.m. Chandra Mohan, Visiting Fellow, Shastri Indo-Canadian Institute, "Comparative Approaches to Indian Literature(s): Recent Trends." Senate Chamber, Arts Building.  
11 April, 3 p.m. Christian Varela, "Phases of Discipline in Un-Canadian Homoeotic Letters." Senate Chamber, Arts Building.

## Zoology

4 April, 3:30 p.m. Stephen K. Wikel, Department of Microbiology and Immunology, University of North Dakota, "Tick-Host Immune Interactions: Identification and Characterization of Relevant Antigens." M-149 Biological Sciences Centre.

## Canadian Institute of Ukrainian Studies

4 April, 7:30 p.m. David Lupul, "In the Party Interest: The Political Activity of Ukrainians in Saskatchewan, 1905-21." Heritage Lounge, Athabasca Hall.

## Women's Program, Extension

4 April, 7:30 p.m. Greta Hofmann Nemiroff, "The Women's Movement, Y. Women and the Future." 2-115 E on North.

14 April, 7 p.m. Writer Jane Rule, "Meeting Jane Rule." L-1 Humanities Centre.

## Area Studies Committee Africa and South Asia

7 April, 3 p.m. H.K.M. Somawantha, "Religion and Politics in South Asia." 4-8 Tory Building.

## English

7 April, 4 p.m. B. Stovel, "Evelyn Waugh's *Decline and Fall*: The Mysterious Origins of Captain Grimes." 5-20 Humanities Centre.

## Rehabilitation Medicine

7 April, 4 p.m. Conne Robertshaw, Director of Research, Workers' Compensation Board, "Clinical Research in Rehabilitation." 203 Corbett Hall.

## Chemistry

8 April, 11 a.m. David Brooks, University of Nebraska at Lincoln, "Improving Safety in the Chemical Laboratory." V-107 Physics Building.

8 April, 2 p.m. Showing of the film "Safety: Isn't It Worth It?" and a panel discussion on "Academic and Industrial Approaches to Safety," as well as presentations dealing with basic safety procedures in the lab. V-111 Physics Building.

## Course and Man Speaker Series

9 April, noon. L. Hepler, "Oil (Tar) Sands: Why We Should Work Them Now." V-102 Physics Building.

## Music

9 April, 2 p.m. Pandit Chandrakant Kapileshwari, "Master Class of Indian Music." 1-23 Fine Arts Building.

## Classics

9 April, 3:30 p.m. M. Torelli, Department of Archaeology, University of Perugia, "Italic Culture and the Romanization of Italy." L-3 Humanities Centre.

## Botany

9 April, 4 p.m. Barbara Murray, "Andreaea: A Structural and Phylogenetic Analysis in the Northern Hemisphere." M-149 Biological Sciences Centre.

## Limnology and Fisheries Discussion Group

10 April, noon. Ellie Prepas, "Seasonal Dynamics of Nutrients and Plankton in Prairie Lakes: Similarities and Differences With Other North Temperate Lakes." G-217 Biological Sciences Centre.

## Literary Theory Series

10 April, 4 p.m. P. Knight, "Girard and Active Voices." 5-20 Humanities Centre.

## Centre for Gerontology

11 April, noon. Louise Martin, Founder of the Edmonton Chapter of the

Alzheimer's Society, "Aims and Functions of the Alzheimer's Society, Including Services Which the Society Provides to Patients and Families." Classroom F. Mackenzie Health Sciences Centre.

## Germanic Languages

15 April, 8 p.m. Erwin Boll, Consul-General of the Federal Republic of Germany, "Questions of Foreign Policy and Canadian-German Relations." Arts 17.

## Films

## Germanic Languages

9 April, 7:30 p.m. "Bolwieser" (1976). Admission free. Arts 17.

## The Arts

## Studio Theatre

Until 5 April. "Gramsci x3." 432-2495.

## Ring House Gallery

Until 15 April. "Karma of the Brush"—contemporary Chinese and Japanese calligraphy.  
Until 20 April. "A Record for Time"—an exhibition of decorated family and individual records, memorials, tokens of friendship and embroidered memorials and samplers produced in Nova Scotia prior to 1900.

## Bruce Peel Special Collections

Until 30 April. "From Impressionism to Surrealism"—European artists as represented in coffee table books and catalogues raisonnés.  
Until 30 April. "Sketches in the Canadas"—23 hand-colored lithographic plates, sumptuously produced by Coke Smyth in 1842. This rare portfolio is the most sought after volume of plates published on Canada. B-7 Rutherford South.

## Courtyard Concert Series

All concerts are held on the Fourth Level East Atrium, Mackenzie Health Sciences Centre.

4 April, noon. Hugh Davies, violin/piano.  
10 April, noon. Elizabeth Laich, piano solo.  
17 April, noon. Jim Woodmen, cello.  
18 April, noon. Alice Weitzel, vocalist.

## Music

All events take place in Convocation Hall unless otherwise noted.

4 April, 8 p.m. University of Alberta Concert Choir Spring Concert—Leonard Ratzlaff, conductor. \$4—adults; \$2—students/senior citizens.  
6 April, 8 p.m. St. Cecilia Orchestra—Malcolm Forsyth, conductor. \$4—adults; \$2—students/senior citizens.  
7 April, 8 p.m. Senior Student Recital—Douglas Schalin, organ.  
8 April, 8 p.m. Senior Student Recital—Colin Haydu, trombone.  
9 April, 8 p.m. Senior Student Recital—Jane Hartling, soprano.  
10 April, 8 p.m. Faculty Recital—Fordyce Pier, trumpet and Janet Scott-Hoyt, pianist.  
12 April, 8 p.m. Senior Student Recital—Joyce Mah, piano.  
13 April, 3 p.m. Jonathan Bayley, flute—candidate for the MMus degree

for Applied Music (Orchestral). McDougall United Church.

13 April, 8 p.m. Mark Eeles, cello—candidate for the MMus degree for Applied Music (Orchestral).

13 April, 8:30 p.m. Spring Concert with Madrigal Singers. All Saints' Anglican Cathedral.

14 April, 8 p.m. Senior Student Recital—Lauressa Eaton, soprano.

16 April, 8 p.m. Percussion Solo and Ensemble Concert—Brian Jones, director.

18 April, 8 p.m. Senior Student Recital—Sandra Butner, flute.

## Broadcasts

## Radio

CKUA radio 580 AM and 94.9 FM.

5 April, 7 p.m. "University Concert Hall."  
12 April, 7 p.m. "University Concert Hall."

CJSR-FM 88.5, Campus Radio. Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

## Award Opportunities

### A.A. Heaps Scholarship 1986-87

**Amount:** \$3,000. **Tenure:** The award is open to all applicants undertaking full-time undergraduate or graduate studies at a Canadian university or college during the academic year 1986-87. **Eligibility:** Canadian citizens or permanent residents of any age who, through their work or their involvement

## Positions

*The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

## Academic

### Administrative Officer, Faculty of Science

Applications are being received for the position of Administrative Officer in the Faculty of Science. This position is responsible for all administrative matters concerned with undergraduate students, including admissions, registration, counselling, records and calendar preparation. The successful candidate should have a university education and knowledge of computerized record systems will be considered an asset.

The current salary for this position is \$28,268 to \$42,404 (under review) and the appointment salary will be dependent upon education and experience. The starting date is expected to be as soon as possible.

Applications, including a complete résumé and the names of three references, should be received by 18 April 1986 and addressed to: Dr. J. Hooz, Senior Associate Dean, Faculty of Science, CW-223 Biological Sciences Building, University of Alberta, Edmonton, Alberta T6G 2E9.

in the community, have demonstrated maturity and a commitment to the social ideals which characterized the life of A.A. Heaps. (A.A. Heaps was one of the leaders of the Winnipeg General Strike of 1919, and a Labour Alderman in Winnipeg where he contributed substantially to the betterment of the city. In 1925, he was elected a Member of Parliament. It was largely through his efforts that Unemployment Insurance and Old Age Security were established.) Applicants should show a knowledge regarding the contribution which A.A. Heaps made in the field of social reform. Academic qualifications are of secondary consideration. **Deadline:** Applications must be received by 15 May 1986. The successful candidate will be notified by 15 July 1986. **Procedure:** No special application is required. The applicant must submit a typed essay of between 500 and 1,000 words, outlining education, employment history and background in community work, demonstrating maturity and a commitment to social ideals. The applicant's financial circumstances should also be indicated since the award will take into account financial need. The applicant's name, age, address and telephone number should appear at the top of the application. At the end of the application, the applicant must include the name, address and telephone number of two references who are prominent in the community and knowledgeable about the applicant's background and dedication to the philosophy underlying the Scholarship. Letters may be requested from the references. **Address:** Send three copies of essay and related material plus most recent academic transcript to: A.A. Heaps Scholarship Committee, Canadian Labour Congress, Educational Services, 301-2841 Riverside Drive, Ottawa, Ontario K1V 8X7. Telephone: (613) 521-3400.

### Edmonton Division Head, Faculty of Social Welfare, University of Calgary

The University of Calgary invites applications for the position of Division Head in the Edmonton Division of the Faculty of Social Welfare. The Division has a full-time faculty of eight and a student body of 130 in an accredited first professional degree program. Responsibilities of the successful applicant will include administration and leadership in all components of the program.

Appointment will be at the Associate Professor level and an MSW and doctorate are required. Preference will be given to a doctorate in social work. A background in administration and university teaching is desirable.

Appointment date: 1 July 1986.

Interested persons may call 432-3888 for further information.

A letter of application, *curriculum vitae*, and the names and addresses of three referees should be sent before 30 April 1986 to: Dr. Ray J. Thomlison, Dean, Faculty of Social Welfare, University of Calgary, 2500 University Drive, N.W., Calgary, Alberta T2N 1N4.

### Assistant Professor, Faculty of Social Welfare, University of Calgary, Edmonton Division

The University of Calgary invites applications for the position of Assistant

Professor in the Edmonton Division of the Faculty of Social Welfare. The Division has a full-time faculty of eight and a student body of 130 in an accredited first professional degree program. Responsibilities of the successful applicant will include undergraduate teaching in human development and direct practice. Professional experience in the mental health field is desirable.

Appointment will be at the Assistant Professor level and possession of a PhD or DSW in social work is required. A graduate degree in social work and a doctorate in a related discipline will be considered if the applicant evidences outstanding research and practice experience. Demonstrated teaching experience is essential.

Appointment date: 1 July 1986.  
Interested persons may call 432-3888 for further information.

A letter of application, *curriculum vitae*, and the names and addresses of three referees should be sent before 30 April 1986 to: Dr. Ray J. Thomlison, Dean, Faculty of Social Welfare, University of Calgary, 2500 University Drive, N.W., Calgary, Alberta T2N 1N4.

## Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond 28 March 1986.

Clerk Typist II, Faculty of Business, (\$1,190-\$1,478)  
Clerk Typist II, Sociology, (\$1,190-\$1,478)  
Clerk Typist III (Receptionist), Personnel Services and Staff Relations, (\$1,326-\$1,666)  
Clerk Typist III (Trust), Dean of Dentistry, (\$1,326-\$1,666)  
Clerk Steno III (Trust), Pharmacy, (\$1,326-\$1,666)  
Clerk Steno III, Pharmacy, (\$1,326-\$1,666)  
Clerk Steno III, Drama, (\$1,326-\$1,666)  
Clerk Steno III, Biochemistry, (\$1,326-\$1,666)  
Clerk Steno III, Computing Science, (\$1,326-\$1,666)  
Clerk Steno III (Term), Extension—Public Administration, (\$1,326-\$1,666)  
Medical Steno (Trust), Pediatrics, (\$1,478-\$1,888)  
Secretary, Housing and Food Services, (\$1,478-\$1,888)  
Secretary, Planning and Development, (\$1,478-\$1,888)  
Secretary, Alumni Affairs, (\$1,478-\$1,888)  
Student Records Processing Clerk, Dean of Science, (\$1,478-\$1,888)  
Administrative Clerk, Art and Design, (\$1,478-\$1,888)  
Administrative Clerk, Pension and Benefits, (\$1,478-\$1,888)  
Accounts Clerk, Office of the Comptroller, (\$1,478-\$1,888)  
Computer Assistant I, Computing Services, (\$1,190-\$1,478)  
Computer Assistant II, Computing Services, (\$1,371-\$1,739)  
Building Services Worker IV, Physical Plant—Building Services Division, (\$1,600-\$2,053)  
Technologist I (Trust), Physical Therapy, (\$2,053-\$2,661)  
Programmer Analyst II (Term), Administrative Systems, (\$2,237-\$2,905)  
Building Superintendent II, Physical Plant—Building Services Division, (\$2,437-\$3,176)  
Programmer Analyst III, Administrative Systems, (\$2,661-\$3,475)

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.

page eight, Folio, 3 April 1986

## Advertisements

### Accommodations available

For rent - Ravine townhome, 2,200 sq. ft., furnished, jacuzzi, sauna. Non-smokers, no pets. May-August. \$1,000/month. 481-0936.  
Rent - House, 8932 120 St. Family only. \$750. Call evenings 439-4207.  
Sublet - 1 July 1986-30 August 1987. Two bedrooms plus study. Well appointed. Close to University. 479-2775.  
Rent - 10839 University Ave. Well furnished, one-bedroom suite. \$450. 433-6024.  
Sale - Charming, older home. University area. Features nice detailed woodwork and windows, brick fireplace, separate dining room, three bedrooms. Treed, south yard. Ask for Pat von Borstel, 436-5250, Spencer's. 437-6540.  
Sale - Riverbend. Spectacular, five-bedroom, 3,520 sq. ft., ravine home. Grand, entertaining rooms, excellent condition. Additional, walk-out lower floor. Liz Crockford, Spencer's. 436-5250, 434-0555.  
Sale - Gracious, spacious bungalow facing the ravine. Old Glenora. Liz Crockford, 436-5250, 434-0555. Spencer's.  
Sale - Lansdowne. Two-storey, four-bedroom, developed basement, hot tub. Quiet location, seven minutes to University. \$139,000. Liz Crockford, Spencer's. 436-5250. 434-0555 res.  
Rent - July-August. Furnished house. St. Albert. Negotiable. References. 459-9583 evenings.  
Sale - Royal Gardens bungalow with three bedrooms, two fireplaces. Double garage. Close to amenities. Denise Rout, 435-6355. Spencer's.  
Sale - Belgravia bungalow with spacious rooms and sunny exposure. Formal dining room, large living room, cozy rumpus room. Close to river valley. Denise Rout, 435-6355. Spencer's.  
Sale - Windsor Park. Quiet crescent and south backyard are features of this attractive bungalow. Hardwood floors, developed basement. Call Marjorie King, 435-0395 or 436-5250. Spencer's.  
Rent - Belgravia. Furnished, large, four-bedroom. \$990. August 1986. 437-1138.  
Sale - Condos. One, two bedrooms, central location. Good mortgage. Vendor anxious. Resi Richter, LePage. 483-9432.  
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Sale - Westend, quiet location, charming split. Super decor. Front-drive garage. \$111,900. Resi Richter, LePage, 483-9432.  
Sale - Glenora. Renovated, upgraded. Split. New kitchen, new bathroom, Park-like garden. \$98,500. Resi Richter, LePage, 483-9432.  
Rent - House, close to University. Four bedrooms, four appliances. 483-9432.  
Rent - 27 June to 27 August. Comfortable, fully furnished house, pleasant fenced garden, deck. Windsor Park, one block from campus. \$800/month, reduction for care of pets. Non-smokers. 433-1859.  
Rent - Windsor Park. One block to campus. Large, furnished bungalow. Three bedrooms upstairs, two downstairs. Available approximately August 1986-August 1987. 433-1319.  
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Rent - Victoria, B.C. Character house to rent after mid-June for one year. Four bedrooms up, two down. Near beach, University, schools. Contact Dr. M. Levy, (604) 721-7303, Department of Computer Science, University Victoria.  
Wildland for sale - 80 acres, mixed woodland preserve, adjoining Elk Island Park; lake, creek, beaver, moose, deer, many birds; listen to owls, coyotes year-round, elk bugling. 467-7649 evenings, weekdays.  
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Sale - Grandview. Main floor family room. Two fireplaces. Lovely, treed yard. Ask for Pat von Borstel, 436-5250. 437-6540 res. Spencer's.

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Visiting physician requires accommodation. One year from July first. House/apartment. Family. Contact Russell, 432-6296.  
Responsible married couple, mature students seek house-sitting duties, 6-12 months. Dependable, non-smokers, enjoy gardening and most pets. References available. Contact Muriel Taylor, 433-3091, 437-3289.  
College administrator, family, require three-bedroom house. 1 July or 1 September 1986-15 August 1987. 1-791-0894.

### Automobiles and others

Sale - 1980 Westphalia V.W. deluxe camper, like new. Only 49,000 holiday kms. \$13,000. 433-1859.

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Super large, chest freezer. 21 ft., \$250.  
Pair 1920s, solid oak armchairs, \$200. 433-1716.  
For immediate sale, fully-converted AJ510. Cost \$1,000 or best offer. 426-3242, ask for Glynis or Dale.  
Unused, IBM wheel writer 3, typewriter. Good value, \$900. 488-1167.  
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